## Approved For Release 2002/09/03 . GIA RDP63-00313A000500010037-6

	COCCANCET		25X
NRO	REVIEW COMPLETED	16 April 1962	
	HENCHARDS FOR 1 Chief, levelopment in Subject 1 Trip Separt		
25X1	to monitor leading operation on Massion meeting on CACHA/ADAL. A side brip w	9032 and attend an SUTD as made to see	25X^
25X1 25X1	the afternoon of 13 April 1962	at his facility in	25X <sup>2</sup>
	components modifying the Sycan """ the CECART vehicle have been accome yeling rates and the effect of he satisfactorily resolved. Parts are of the accord unit. A decision will future regarding whether or not He a second camera available for modificate is currently no plan between test-fly this configuration. I say prepare such a plan and submit it and subminded to Headquartore. I could be ready for installation in thirty days. Since it is a wedificating the IDEALIST vehicle. A decision exakt perhaps unit until results of	plished. The problems of at appear to have been a in-bouse for modification. I had that rear adquarters intends to make fination. I find that he reserve the IDPALIST vahials within at "" configuration, it will to modify the second offers.	25X 25X 25X
25X1		trans-Rodak to fabricals the  GLCART casors.  Leted essers weights and is  ion eertainly  a small shouldowness type	25X <sup>2</sup>
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(c) Peties Electron for CXCART: hand benefit working, at the request of on methods of producing the window for the CAGIRT vehicle. A surnery report is now available on progress to date on tests of a plastic (Vitom) seel for vaccom pack optical windows. The regults were excellent and the only problem is the dealer of a value system for purpling does to a various after the seal has been conditioned. They are procently pusping down via a valve installed through the class itself. This procedure is not as desirable as a valve through the seal which would place no extra stress on the surface of the optical flats. A promodure such as the one proposed would undoubtedly require a conditioning and pump down operation on a recognize basis as a part of the operational pre-Clicks. Tests to date indicate that vacuum could be saintained to a reasonable level for at least beauty hours and probably for coveral days.

(d) Committing Fork for CONCLA The Configuration Control Board has previously used in the assertion of consultant. Problems cocurring on the meriliary frame cappera make it wary desirable to call In to review the basis design and make a recommendation to the Configuration Control Board in regard to evalua reliability of this unit. The urgency of the impending flight of Martin Mil has necessitated bardae make a trip to Palo Alte on 17 April for at least a few days. At this time, the dealing engineers from Itek will be at 1882 looking into the problems of system compatibility and owners operation. and it. Paracrossky approved calling was informal to swindle a cost voucher to Resignarters for direct payment of expenses. He will report to Colonel Harphy and swindt a report through him to the CCB and Hoadquarters.

## 3. LONGING OFFICE FOR COLORS 90121

(a) Applicary frame Cameras I proceeded to Vandemberg Air Perce Hase on 11 April 1762 to participate in a decision reparting the reliability of this item for flight of Massion 702. Applicary frame camera 770 was experiencing intermittent operation with the blase being laid primarily on a mechanical past. Since there was still an electrical interface problem and a potential mode of failure which could drain the recovery battery, it was decided not to fly this applicary frame camera. The communical recover from the system and a

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light tight seal installed in its place, electrical circultry and pyroteophics were disabled (pyrox were not installed). Enstrument 176 was returned to Pale Alto for installation of a pool ands of a harder material and for further testing. It is imped that cluster 35 76 or 80 can be installed and tested during 3575 with the rent 4554L system. The Halfs test is unbeduced to start 15 typic and should give up much moded experience with this unit as an integrated part of the system. St 75 can exhectled for pad system run with 3-3 on 16 April and set of the tire I left, resimil reports indicated it had operated entirefactually through this pad run (it was only required to operate four cycles).

- Joseph on 17 April 1962. This leading operation went very special on 17 April 1962. This leading operation went very specially, visual and talemetry checks indicated that the indirector were operating perfectly. I did find that the indirector were operating perfectly. I did find that the indirector special that the perfectly set the shutter special ideal-quarters had requested that they set the shutter special in 175 second if possible, as a result of a request from 1715. It was found that the to the design of the shutter, the intermittent setting between 1760 and 17100 and not a positive stop possition. Therefore, it was a little beservous to make this setting atthough seas to continue to use 1700 second, this is the setting that was too in the lateractive was to have it set at 1/2 and 1/30 second, but has been already been looked in position for flight.
- 4. Sec Halling receipt of the formal minutes, the following stylificant lines were discussed.
  - (a) Design of the Stellar/Trans Commun. It is still armicipated that this I've would be available by S-12 if no serious problems arise, and the problems we have been having with the smalling frame parties are resolved immediately.
  - (b) Asilly of Probat: Itak is continuing its investigations on methods of maintaining film Claimess during exposure, but had no significent data to report at this meeting. 1980 reported now temperature predictions data on Vehicle 1124 based on 3-1 and 3-3 HATS data and Vehicle 1123 telesatry data. The actual imperature range being resintained is proposted to be exceeding the desired limits of 70° ± 10°. It is even possible that the temperature of the conser compartment could get as high as 92° tentor contain continue. Itak estimated that this could three

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facts out as such as VICCO of as inch. It was obvious that the data on hard was instinguate to arrive at any first conclusion and further study was required. Itak really needs to run simulations in the chapter at various temperature or focus. Since it requires a relatively long time for the chapter to similiate (especially the collimator), a minimum of a week will be required to conduct such tests. Since mailtant charter for instrument are available outside the present production schedule, a weeks slippage in deliveries would be insurred if times tests were conducted. NOTO was directed to investigate this over-all scheduling problem and make a recommendation.

(c) file ispects. I had requested that LMSC determine the maximum length of file that sould be placed on the "C" supply appeal with reliability. They determined that the film oculd be specied to within 1/8 of an inch of the outer rim on the supply speed with no problems at all. The take-up smed can hold more than the supply speed, therefore, this interface is clean. A measurement was made with one roll of J-23-7600 and it was found to ecutain 7450 feet of film. while this is within 2 25 tolerance allowd. It was rather surprising to find the langth this short. is taking this up with Restran-Totak on his return. It is easily conceivable that we can put 7300 feet of film on the supply spool with no problem. In midition, it is full that the confidence runs at base after locating and the system run on the pad can be out down from the present masher of cycles (which is shout 250 feet of payload) to a new requirement for using only shout 100 feet of file for elect-out and countdown operations. This should make smallable about 7700 feet of film for each easers rather than the current 7200 feet of film. This extra 500 feet of film would be a significant increase in the operational capability. Supply species of this length con not be available by Masten 9033 but could possibly be available by 9034.

(d) Auditary from Carenas The group was informed to	at.
and contiguitation control found was calling on	
to a constitue to review the compre problems.	
from litely were handcarrying 50 to 20 and 80 to 100 and 17 Am	all.
1702. Since 775 was returned from base and 772 is installed	wi .
with 1-3 for Masten 2033, availability of frees carers to	acod.
providing the problem can be resolved.	diam's

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